

## Metal Giant 10W-30 Multi

### Description

Metal Giant 10w-30 Multi. A gasoline- and diesel engine oil, formulated with solvent refined and synthetic base oils and a well-balanced choice of additives. This engine oil has the following properties:

- a very powerful detergency prevents deposits in the engine
- a very strong dispersion that prevents from precipitation and sludge
- a powerful activity against corrosion and foam
- a high and stable viscosity index
- a powerful activity against wear resulting in strongly reduced wear of piston-rings and cylinder-liners

### Application

This engine lubricant is applicable to gasoline and diesel engines (normally- or turbo-aspirated) even under the toughest operation conditions and all the year round. This engine oil has a special additive system and may therefore be used, when fuels with relatively high sulphur contents are involved. This special quality of engine oil is mainly developed to allow extended oil drain intervals and to prevent "bore polishing" (=cylinder-wear) in diesel engines. This product is suitable for application in Euro 4 and Euro 5 engines.

### Specifications

ACEA A3/B4, E7  
API CI-4 / SH  
Cat ECF-2  
Cummins CES 20077 / 20078  
Deutz DQC III-18  
DTFR 15B110  
Global DHD-1  
JASO DH-1  
MAN M 3275-1  
MB 228.3  
MTU Type 2  
Renault VI RLD-2  
ZF 05K / 07D / 21K

### Typicals

Density at 15 °C, kg/l	0,875
Viscosity -25 °C, mm <sup>2</sup> /s	5720
Viscosity 40 °C, mm <sup>2</sup> /s	80,40
Viscosity 100 °C, mm <sup>2</sup> /s	12,20
Viscosity Index	150
Flash Point COC, °C	224
Pour Point, °C	-39
Total Base Number, mgKOH/g	11,1
Sulphate Ash, %	1,45